OM nucleic - nucleic search, using sw model

Run on:

November 24, 2003, 15:54:12; Search time 10684 Seconds

(without alignments)

11525.456 Million cell updates/sec

Title:

US-10-058-945-1

Perfect score:

Sequence:

1 attgcggggcttactgcgct......ccagaaatccctcaaggcgg 3010

Scoring table:

IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched:

2888711 seqs, 20454813386 residues

Total number of hits satisfying chosen parameters:

5777422

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

GenEmbl:\*

gb ba:\* 1:

gb htg:\*

gb in:\*

4: gb om:\*

gb\_ov:\*

gb pat:\* gb ph:\*

gb pl:\*

9: gb pr:\*

10: gb ro:\*

qb sts:\*

gb sy:\*

13: gb un:\*

14: gb vi:\*

15: em\_ba:\* 16:

em fun:\*

17: em hum:\*

18: em in:\*

19: em mu:\*

em\_om:\* 20:

em or:\* 21: em ov:\* 22:

23: em pat:\*

24: em ph:\*

25: em pl:\*

26: em ro:\*

em sts:\*

Also searched

SED ID NO: 1 as an OLIGOMER

and using the protein, SEO ID NO:2,

in DNA databases.

But no better art than

found here.

particularly USPAP 2002/0197605 Nakagava et al.

```
28:
     em un:*
     em_vi:*
29:
     em_htg_hum: *
30:
31: •
     em_htg_inv:*
32:
     em htg other:*
33:
     em htg mus:*
34:
     em htg pln:*
     em_htg_rod: *
35:
36:
     em htg mam: *
37:
     em_htg_vrt:*
38:
     em_sy:*
39:
     em htgo hum:*
40:
     'em_htgo_mus:*
41:
     em_htgo_other:*
```

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

					SOUTHWILES		
		%					
Result	_	Query					
No.	Score	Match	Length	DB 	ID	Descript:	ion 
, 1	3010	100.0	320550	1	AP005282		Corynebac
2	3010	100.0	349980	6	AX127152		Sequence
3	2326.6	77.3	2369	6	AX353377	AX353377	Sequence
4	2326.6	77.3	2369	6	BD106978	BD106978	L-Glutami
5	1578	52.4	1578	6	AX063735	AX063735	Sequence
6	1578	52.4	1578	6	AX469840	AX469840	Sequence
7	1546	51.4	1546	6	AX063737	AX063737	Sequence
8	1455	48.3	1455	6	AX122970	AX122970	
9	1455	48.3	1455	6	BD165087	BD165087	Novel pol
10	1405.6	46.7	2817	6	AR216136	AR216136	Sequence
11	1405.6	46.7	2817	6	AX137526	AX137526	Sequence
12	1405.6	46.7	2817	6	AX236994	AX236994	Sequence
13	1405.6	46.7	2817	6	AX322482	AX322482	Sequence
14	1405.6	46.7	2817	6	BD013817	BD013817	Novel nuc
.15	1294	43.0	300330	1	AP005222	AP005222	Corynebac
16	730	24.3	1971	6	AX707003	AX707003	Sequence
.17	615.4	20.4	1869	1	AF326510	AF326510	Corynebac
18	615.4	20.4	1909	6	AR216137	AR216137	Sequence
19	615.4	20.4	1909	6	AX137528	AX137528	Sequence
20	615.4	20.4	1909	6	AX236996	AX236996	Sequence
21	615.4	20.4	1909	6	AX322484	AX322484	Sequence
22	615.4	20.4	1909	6	BD013818	BD013818	Novel nuc
23	609	20.2	609	6	AX064867	AX064867	Sequence
24	609	20.2	609	6	AX469850	AX469850	Sequence
25	513	17.0	513	6	AX122971	AX122971	Sequence
26	513	17.0	513	6	BD165088	BD165088	Novel pol
27	482	16.0	1590	6	AX064869	AX064869	Sequence
28	482	16.0	1590	6	AX066975	AX066975	Sequence
29	482	16.0	1590	6	AX469852	AX469852	Sequence
30	459	15.2	1503	6	AX122968	AX122968	Sequence
31	459	15.2	1503	6	BD165085	BD165085	-
32	327	10.9	327	6	AX122969	AX122969	Sequence
33 ·	327	10.9	327	6	BD165086	BD165086	Novel pol

OM nucleic - nucleic search, using sw model

Run on: November 24, 2003, 14:41:25; Search time 750 Seconds

(without alignments)

10833.745 Million cell updates/sec

Title: US-10-058-945-1

Perfect score:

Sequence: 1 attgcggggcttactgcgct......ccagaaatccctcaaggcgg 3010

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 2552756 segs, 1349719017 residues

Total number of hits satisfying chosen parameters: 5105512

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : N Geneseq 19Jun03:\*

1: /SIDS1/gcgdata/geneseq/geneseqn-embl/NA1980.DAT:\*

/SIDS1/gcgdata/geneseq/geneseqn-embl/NA1981.DAT:\*

/SIDS1/gcgdata/geneseq/geneseqn-embl/NA1982.DAT:\*

/SIDS1/gcgdata/geneseq/geneseqn-embl/NA1983.DAT:\*

5; /SIDS1/gcgdata/geneseq/geneseqn-emb1/NA1984.DAT:\*

/SIDS1/gcgdata/geneseq/geneseqn-emb1/NA1985.DAT:\* 6: /SIDS1/gcgdata/geneseq/geneseqn-embl/NA1986.DAT:\* 7:

/SIDS1/gcgdata/geneseq/geneseqn-embl/NA1987.DAT: \* 8:

/SIDS1/gcgdata/geneseq/geneseqn-emb1/NA1988.DAT:\* 9:

10: /SIDS1/gcgdata/geneseg/genesegn-emb1/NA1989.DAT:\*

11: /SIDS1/gcgdata/geneseq/geneseqn-embl/NA1990.DAT:\*

12: /SIDS1/gcgdata/geneseq/geneseqn-embl/NA1991.DAT:\*

13: /SIDS1/gcgdata/geneseq/geneseqn-embl/NA1992.DAT:\*

14: /SIDS1/gcgdata/geneseg/genesegn-emb1/NA1993.DAT:\*

15: /SIDS1/gcgdata/geneseq/geneseqn-emb1/NA1994.DAT:\*

16: /SIDS1/gcgdata/geneseq/geneseqn-embl/NA1995.DAT:\*

17: /SIDS1/gcgdata/geneseq/geneseqn-embl/NA1996.DAT:\*

18: /SIDS1/gcgdata/geneseg/genesegn-embl/NA1997.DAT:\*

19: /SIDS1/gcgdata/geneseq/geneseqn-embl/NA1998.DAT:\*

20:

/SIDS1/gcgdata/geneseq/geneseqn-embl/NA1999.DAT:\* 21: /SIDS1/gcgdata/geneseq/geneseqn-emb1/NA2000.DAT:\*

22: /SIDS1/gcgdata/geneseq/geneseqn-embl/NA2001A.DAT: \*

23:

/SIDS1/gcgdata/geneseq/geneseqn-emb1/NA2001B.DAT: \* 24:

/SIDS1/gcgdata/geneseq/geneseqn-embl/NA2002.DAT:\* 25: /SIDS1/gcgdata/geneseq/geneseqn-emb1/NA2003.DAT:\*

Pred. No. is the number of results predicted by chance to have a

score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

			용 .					
Res			Query					
	No.	Score	Match	Length	DB	ID		Description
	1	3010	100.0	3010	 24	AAL48965		C glutamicum otsA
	2	3010		349980	22	AAH68533		C glutamicum codin
	3	2326.6	77.3	2369	24	ABK15556		DNA encoding treha
	4	1578	52.4	1578	22	AAF71761		Corynebacterium gl
	5	1578	52.4	1578	24	ABS65356		DNA encoding C. gl
	6	1546	51.4	1546	22	AAF71762		Corynebacterium gl
	7	1455	48.3	1455	22	AAH67851		C glutamicum codin
	8	1405.6	46.7	2817	22	AAF61246		C. glutamicum ATCC
	9	1405.6	46.7	2817	22	AAH49349		C. glutamicum ATCC
	10	1405.6	46.7	2817	24	ABA05864		Corynebacterium gl
	11	730	24.3	1971	25	ABZ58585		Corynebacterium gl
	12	615.4	20.4	1909	22	AAF61247		C. glutamicum ATCC
	13	615.4	20.4	1909	22	AAH49350	•	C. glutamicum ATCC
	14	615.4	20.4	1909	24	ABA05865		Corynebacterium gl
	15	609	20.2	609	22	AAF72327		Corynebacterium gl
	16	609	20.2	609	24	ABS65361		DNA encoding C. gl
	17	513	17.0	513	22	AAH67852		C glutamicum codin
	18	482	16.0	1590	22	AAF72328		Corynebacterium gl
	19	482		1590	22	AAF68021		Corynebacterium gl
	20	482	16.0	1590	24	ABS65362		DNA encoding C. gl
	21	459	15.2	1503	22	AAH67849		C glutamicum codin
	22	327	10.9	327	22	AAH67850		C glutamicum codin
	23	302.4	10.0	1503	22	AAH52074		Mycobacterium tube
	24	302.4		4403765	22			Mycobacterium tube
	25	302.4		4411529				Mycobacterium tube
	26	276	9.2	37716	23	AAS59553		Propionibacterium
	27	230	7.6	891	22	AAF72322		Corynebacterium gl
	28	230 .		891	24	ABS65357	•	DNA encoding C. gl
	29	130	4.3	768	22	AAH67853		C glutamicum codin
	30	118.4	3.9	2430	24	ABS51410		cDNA encoding larv
	31	118.4	. 3.9	2903	23	ABL05149		Drosophila melanog
С	32	118.4	3.9	6435	23	ABL05148		Drosophila melanog
	33	112.6	3.7	1500	21	AAZ45000		Synechocystis sp.
	34	110		534720	19	AAV30458		Rhizobium species
	35	110		536165	19	AAV30459		Rhizobium species
С	36	108.6		534720	19	AAV30458		Rhizobium species
C.	37	108.6		536165	19	AAV30459	•	Rhizobium species
	38	104.2	3.5	303	24	ABN26396	•	Human ORFX polynuc
	. 39	98.8	3.3	1910	19	AAV02740		S. lepidophylla tr
			3.3	3223	19	AAV02739		S. lepidophylla tr
	41	94.8	3.1	2695	21	AAA39756		H. polymorpha TPS1
•	42 43	94.6	3.1	1534	18	AAV00136	:	Trehalose-6-phosph
	43	94.6	3.1	1534	18	AAV00084		Yeast trehalose-6-
		94.4	3.1	831	20	AAZ10777		Trehalose-6-phosph
	45	92.8	3.1	2829	24	ABZ14682	•	Arabidopsis thalia

OM nucleic - nucleic search, using sw model

Run on: November 24, 2003, 22:24:06; Search time 978 Seconds

(without alignments)

10067.526 Million cell updates/sec

Title: US-10-058-945-1

Perfect score: 3010

Sequence: 1 attgcggggcttactgcgct.....ccagaaatccctcaaggcgg 3010

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 2172232 seqs, 1635554964 residues

Total number of hits satisfying chosen parameters: 4344464

Minimum DB seq length: 0

Maximum DB seg length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database: Published Applications NA:\*

1: /cgn2\_6/ptodata/2/pubpna/US07\_PUBCOMB.seq:\*

2: /cgn2 6/ptodata/2/pubpna/PCT NEW PUB.seq:\*

3: /cgn2 6/ptodata/2/pubpna/US06 NEW PUB.seq:\*

4: /cgn2 6/ptodata/2/pubpna/US06 PUBCOMB.seq:\*

5: /cgn2 6/ptodata/2/pubpna/US07 NEW PUB.seq:\*

6: /cgn2\_6/ptodata/2/pubpna/PCTUS PUBCOMB.seq:\*

7: /cgn2\_6/ptodata/2/pubpna/US08 NEW PUB.seq:\*

8: /cgn2\_6/ptodata/2/pubpna/US08\_PUBCOMB.seq:\*

9: /cgn2\_6/ptodata/2/pubpna/US09A\_PUBCOMB.seq:\*

10: /cgn2 6/ptodata/2/pubpna/US09B PUBCOMB.seq:\*

11: /cgn2 6/ptodata/2/pubpna/US09C PUBCOMB.seq:\*

12: /cgn2 6/ptodata/2/pubpna/US09 NEW PUB.seq:\*

13: /cgn2 6/ptodata/2/pubpna/US10A PUBCOMB.seq:\*

14: /cgn2 6/ptodata/2/pubpna/US10B PUBCOMB.seq:\*

15: /cgn2 6/ptodata/2/pubpna/US10 NEW PUB.seg:\*

16: /cgn2\_6/ptodata/2/pubpna/US60\_NEW\_PUB.seq:\*

17: /cgn2\_6/ptodata/2/pubpna/US60\_PUBCOMB.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result Query

No. Score Match Length DB ID Description

								.•
	1	3010	100.0	3010	13	US-10-058-945-1		Sequence 1, Appli
	2	3010	100.0 3	309400	10	US-09-738-626-1		Sequence 1, Appli
	3	2326.6	77.3	2369	10	US-09-895-382-29		Sequence 29, Appl
	4	1455	48.3	1455	10	US-09-738-626-2886		Sequence 2886, Ap
	5	1405.6	46.7	2817	10	US-09-951-536-1		Sequence 1, Appli
	6	1405.6	46.7	2817	10	US-09-963-521-1		Sequence 1, Appli
	7	1405.6	46.7	2817	10	US-09-834-721-1		Sequence 1, Appli
	8	1405.6	46.7	2817	10	US-09-783-388-1	p	Sequence 1, Appli
	9	1405.6	46.7	2817	11	US-09-951-535-1		Sequence 1, Appli
	10	730	24.3	1971	14	US-10-212-219-1		Sequence 1, Appli
	11	615.4	20.4	1909	10	US-09-951-536-3		Sequence 3, Appli
	12	615.4	20.4	1909	10	US-09-963-521-3		Sequence 3, Appli
	13	615.4	20.4	1909	10	US-09-834-721-3		Sequence 3, Appli
	14	615.4	20.4	1909	10	US-09-783-388-3		Sequence 3, Appli
	15	615.4	20.4	1909	11	US-09-951-535-3		Sequence 3, Appli
	16	513	17.0	513	10.	US-09-738-626-2887		Sequence 2887, Ap
	17	459	15.2	1503	10	US-09-738-626 <b>-</b> 2884		Sequence 2884, Ap
	1,8	327	10.9	327	10	US-09-738-626-2885		Sequence 2885, Ap
	19	302.4	10.0	1503	10	US-09-712-363-128 ·		Sequence 128, App
	20	130	4.3	768	10	US-09-738-626-2888		Sequence 2888, Ap
	21	110	3.7 5	36165	.11	US-09-939-964-1		Sequence 1, Appli
C	22	108.6	3.6 5	36165	11	US-09-939-964-1		Sequence 1, Appli
	23	92.8	3.1	2829	10	US-09-938-842A-2487		Sequence 2487, Ap
	24	89.4	3.0	261	9 1	US-09-867-550-445	(	Sequence 445, App
	25	82	2.7	2598	10	US-09-938-842A-1646		Sequence 1646, Ap
	26	70.2	2.3	2589	10	US-09-938-842A-1345		Sequence 1345, Ap
	27	68.4	2.3	1389	14	US-10-156-761-3920		Sequence 3920, Ap
	28	68.4	2.3 9	025608	14	US-10-156-761-1		Sequence 1, Appli
	29	66.8	2.2	654	15	US-10-307-723-36		Sequence 36, Appl
	30	62.8	2.1	498	12	US-10-259-165-417		Sequence 417, App
	31	62.8	2.1	501	12	US-10-259-165-81		Sequence 81, Appl
	32.	62.8	2.1	3414	12	US-10-259-165-329		Sequence 329, App
С	33	54.2	1.8	791	9 1	US-09-770-445-847	9	Sequence 847, App
	34	50.4	1.7	2621	8 1	US-08-779-460B-1	9	Sequence 1, Appli
	35	44.6	1.5	1098	14	US-10-156-761-2932		Sequence 2932, Ap
С	36	44.6	1.5 9	025608	14	US-10-156-761-1		Sequence 1, Appli
	37	44.4	1.5	651	14	US-10-156-761-2671		Sequence 2671, Ap
С	38	40.8	1.4	488	11	US-09-770-961-736		Sequence 736, App
	39	40.2	1.3	256	10	US-09-878-574-9432		Sequence 9432, Ap
	40	39.8	1.3	984	1,4	US-10-128-714-7296		Sequence 7296, Ap
	41	39.8	1.3	1028	14	US-10-128-714-6296		Sequence 6296, Ap
	42	39.8	1.3	2882	14	US-10-128-714-296		Sequence 296, App
	4.3	39.8	1.3	3028	14	US-10-128-714-5296		Sequence 5296, Ap
C	44	39.4	1.3	7758	12	US-10-311-455-1076		Sequence 1076, Ap
	45	39.2	1.3	4203	10	US-09-880-107-3422		Sequence 3422, Ap
								; 1

### ALIGNMENTS

## RESULT 1

US-10-058-945-1

- ; Sequence 1, Application US/10058945
- ; Publication No. US20020192674A1
- ; GENERAL INFORMATION:
- ; APPLICANT: HERMANN, Thomas
- ; APPLICANT: WOLF, Andreas

OM nucleic - nucleic search, using sw model

Run on: November 24, 2003, 18:28:16; Search time 5588 Seconds

(without alignments)

13091.710 Million cell updates/sec

Title: US-10-058-945-1

Perfect score: 3010

Sequence: 1 attgcggggcttactgcgct.....ccagaaatccctcaaggcgg 3010

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 22781392 seqs, 12152238056 residues

Total number of hits satisfying chosen parameters: 45562784

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : EST:\*

1: em estba:\*

2: em\_esthum:\*

3: em estin:\*

4: em estmu:\*

5: em estov:\*

6: em\_estpl:\*

7: em\_estro:\*

8: em\_htc:\*

9: gb\_est1:\*

10: gb\_est2:\*

11: gb htc:\*

12: gb\_est3:\*

13: gb\_est4:\*

14: gb est5:\*

15: em\_estfun:\*

16: em estom:\*

17: em\_gss\_hum:\*

18: em gss inv:\*

19: em gss pln:\*

20: em gss vrt:\*

21: em\_gss\_fun:\*

22: em\_gss\_mam:\*

23: em gss mus:\*

24: em\_gss\_pro:\*

25: em\_gss\_rod:\*

26: em gss phg:\*

27: em gss vrl:\*

28: gb\_gss1:\* 29: gb\_gss2:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

		. ,				SUMMARI	ES	•
_			용					
Res	ult		Query				•	
	No.	Score	Match	Length	DB	I.D		Description
		120 6						
	1	138.6	4.6	645	12	BM869320		BM869320 mgns004xF
С	2	122	4.1	549	28	AQ399488		AQ399488 mgxb0015E
	3	111.8	3.7	583	9	AI109201		AI109201 GH08323.5
	4	109.6	3.6	404	13	BU644825		BU644825 mgns016xP
	5	100.4	3.3	441	9	AA783493		AA783493 c5f08a1.r
С	6	98.4	3.3	1024	28	AF075787		AF075787 AF075787
	7	92.4	3.1	601	12	BI941513		BI941513 dg20h04.y
	8	91.2	3.0	436	10	BF050405		BF050405 EST435563
	9	90.2	3.0	556	12	BM869415		BM869415 mgns006xI
	10	88.2	2.9	565	12	BI941469		BI941469 dg07a02.y
	11	87.4	2.9	509	12	BM870625	· ·	BM870625 mgns011xC
	12.	87.4	2.9	604	12	BM871676		BM871676 mgns015xM
	13	86.2	2.9	685	13	BQ514325		BQ514325 EST621740
С	. 14	86	2.9	463	12	BJ093065	•	BJ093065 BJ093065
	15	. 86	2.9	671	12	BJ332362		BJ332362 BJ332362
С	16	84.6	2.8	606	12	BJ094042		BJ094042 BJ094042
С	17	84.6	2.8	608	12	BJ094122		BJ094122 BJ094122
	18	84.6	2.8	882	29	CNS07AEC		AL436474 T3 end of
	19	83.4	2.8	518	6	AU195980		Au195980 Porphyra .
	20	83.4	2.8	552	6	AU194261		Au194261 Porphyra
	21	83.2	2.8	507	12	BM361364		BM361364 A00684-R
	22	83	2.8	582	12	BJ328707	•	BJ328707 BJ328707
	23	82.8	2.8	531	10	BG278090		BG278090 ald12np.r
	24	82.2	2.7	598	29	CNS07903		AL435529 T7 end of
	25	81.8	2.7	1040	29	CNS06D5J		AL393389 T3 end of
	26	81.6	2.7	677	14	CB629538		CB629538 OSIIEb05N
	27	81.6	2.7	813	14	CB629539		CB629539 OSIIEb05N
	28	80.8	2.7	660	13	BU873535		BU873535 Q056F03 P
С	29	79.6	2.6	676	28	BZ052416		BZ052416 jnr68f01.
	30	78.8	2.6	612	12	BJ331641		BJ331641 BJ331641
	31	78.4	2.6	540	13	BQ506197		BQ506197 EST613612
	32	77	2.6	615	12	BJ333781		BJ333781 BJ333781
	33	76.4	2.5	588	12	BJ304058		BJ304058 BJ304058
	34	76.2	2.5	735	14	CD458300		CD458300 Fg08_09f0
	35	76	2.5	613	12	BJ329654		BJ329654 BJ329654
C	36	75.8	2.5	739	14	CA932062		CA932062 MTU4TA.P2
	37	75.6	2.5	616	9	AI387759		AI387759 GH18412.5
	38	75.4	2.5	963	29	CNS06G9B		AL397413 T7 end of
	39	74.6	2.5	620	12	BJ339231		BJ339231 BJ339231
	40	74	2.5	597	12	BJ333289		BJ333289 BJ333289
	41	73.8	2.5	482	6	AU194918		Au194918 Porphyra
	42	73.8	2.5	544	6	AU194764		Au194764 Porphyra
	43	73.2	2.4	852	29	CNS06ULN		AL416001 T3 end of
	44	73	2.4	559	14	CD056225		CD056225 HÖ11J03S
	45	73	2.4	573	12	ВЈ323574		BJ323574 BJ323574